

2. A topical oral composition according to Claim 1, wherein said antimicrobial is selected from the group consisting of stannous ion agent, triclosan, triclosan monophosphate, chlorhexidine, domiphen bromide; cetylpyridinium chloride (CPC), zinc ion agent, copper ion agent, essential oils, and mixtures thereof.
3. The topical composition of claim 1, further comprising one or more additional therapeutic agents selected from the group consisting of: anti-inflammatory agents, H2-antagonists, metalloproteinase inhibitors, cytokine receptor antagonists, lipopolysaccharide complexing agents, tissue growth factors, immunostimulatory agents, cellular redox modifiers, analgesics, hormones, vitamins, and minerals.
4. The topical composition of Claim 3, wherein said additional therapeutic agent is selected from the group consisting of augmentin, amoxicillin, tetracycline, doxycycline, minocycline, metronidazole; aspirin, ketorolac, flurbiprofen, ibuprofen, naproxen, indomethacin, ketoprofen, piroxicam, meclofenamic acid, cimetidine, ranitidine, famotidine, roxatidine, nizatidine, mifentidine, iodine, sulfonamides, mercurials, bisbiguanides, phenolics, neomycin, kanamycin, clindamycin, eugenol, hydrocortisone, methotrexate, levamasole, strontium chloride, potassium nitrate, sodium fluoride, peppermint oil, chlorophyll, immunoglobulin, antigens, lidocaine, benzocaine, amino acids, essential fats, vitamin C,  $\alpha$ -tocopherol, Co-enzyme Q10, PQQ, Vitamin A, folate, N-acetyl cysteine, gallic acid, butylated hydroxytoluene, polymyxin, urea peroxide, hydroxamic acid derivatives, phosphinic acid amides, and mixtures thereof.

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A method for treating and preventing oral cavity diseases in human and other animal subjects and thereby promoting whole body health in said human and other animal subjects, comprising topically administering to said subjects' oral cavity, a composition according to Claim 1.

6. The method of Claim 5 wherein said composition is in a form selected from a mouthrinse, toothpaste, tooth gel, tooth powder, non-abrasive gel, chewing gum, mouth spray, lozenge, and a pet chew product.
7. A method for treating and preventing oral cavity diseases in human and other animal subjects and thereby promoting whole body health in said human and other animal subjects, comprising topically administering to said subjects' oral cavity, a composition according to Claim 3.
8. A method for treating and preventing oral cavity diseases in human and animal subjects and thereby promoting whole body health in said human and other animal subjects, comprising topically administering to said subjects' oral cavity a composition comprising

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